#### **CLAIM AMENDMENTS**

# Claim 1 (currently amended)

## --1. (Amended) A compound which has the structure

wherein x is 1,2, 3 or 4; m is 1 or 2; n is 1 or 2;

Q is C or-N;

A is O or S;

Z is O or a bond:

R1 is H or lower alkyl;

X is N:

R<sup>2</sup> is H, alkyl, alkoxy, halogen, amino or substituted amino;

R<sup>2a</sup>, R<sup>2b</sup> and R<sup>2c</sup> are the same or different and are selected from H<sub>2</sub> or alkyl, alkoxy, balogen, amino or substituted amino;

R<sup>3</sup> is H, alkyl, arylaskyl, aryloxycarbonyl, alkyloxycarbonyl, alkyloxycarbonyl, alkyloxycarbonyl, aryloxycarbonyl, aryloxycarbonyl, aryloxycarbonyl, aryloxycarbonyl, aryloxycarbonyl, oycloalkyloxycarbonyl, oycloalkyloxycarbonyl, eycloheteroalkyl, heteroarylearbonyl, heteroaryl heteroarylalkyl, alkylearbonylamino, aryloxycarbonylamino, aryloxycarbonylamino, aryloxycarbonylamino, heteroarylearbonylamino, alkoxycarbonylamino, aryloxycarbonylamino, heteroarylearbonyl, alkylaulfonyl, alkenylaulfonyl, heteroaryloxycarbonyl, eycloheteroalkyloxycarbonyl, heteroarylalkyl, aminocarbonyl, substituted aminocarbonyl, alkylaminocarbonyl, arylaminocarbonyl, heteroarylalkenyl, eycloheteroarylalkyl, bydroxyalkyl, alkoxy, alkoxyaryloxycarbonyl, arylaikylaryloxycarbonyl, arylaikyloxycarbonyl, arylaikyloxycarbonyl, arylaikyloxycarbonyl, arylaikyloxycarbonyl, aryloxyaryloxycarbonyl, alkoxyoarbonyl, aryloxyaryloxycarbonyl, arylaikyloxycarbonyl, heteroarylaikyl, arylaikyloxycarbonyl, aryloxyarylaikyl, arylaikyloxycarbonyl, arylaikyloxycarbonyl, heteroarylaikyloxycarbonyl, arylaikyloxycarbonyl, heteroarylaikyloxycarbonyl, arylaikyloxycarbonyl, heteroaryloxyarylaikyloxycarbonyl, arylaikyloxycarbonyl, arylaikyloxyc

aryloxyalkyloxycarbonyl, arylalkylsulfonyl, arylthiocarbonyl, arylalkenylsulfonyl, heteroarylalkyl, heteroarylalkoxyarbonyl, arylaetoroarylalkyl, arylaetoroaryla

Y is CO<sub>2</sub>R<sup>4</sup> where R<sup>4</sup> is H or alkyl, or a prodrug ester or Y is a C-linked-1 tetrazole, a phosphinic acid of the structure P(O)(OR<sup>48</sup>)R<sup>5</sup>—where R<sup>44</sup> is H or a prodrug ester, R<sup>5</sup> is alkyl or aryl or a phosphonic acid of the structure P(O)(OR<sup>40</sup>)<sub>2</sub>—where R<sup>48</sup> is H or a prodrug ester,

or stereoisomers thereof, a prodrug ester thereof, and or a pharmaceutically acceptable salts salt thereof. --

# Claim 2 (currently amended)

The compound as defined in Claim 1 having the structure

$$\mathbb{R}^{2b} \xrightarrow{\mathbb{R}^{2a}} \mathbb{R}^{2a} \xrightarrow{\mathbb{R}^{2}} \mathbb{R}^{3} \xrightarrow{\mathbb{R}^{3}} \mathbb{C}(\mathbb{CH}_{2})_{\mathbb{R}} \times \mathbb{C}(\mathbb{CH}_{2})_{\mathbb{C}} \times \mathbb{C$$

<del>Or</del>

$$\begin{array}{c|c} R^{2b} & R^{2} \\ \hline R^{20} & (CH_2)_{n} & (CH_2)_{n} \end{array}$$

# Claim 3 (original)

The compound as defined in Claim 1 having the structure

$$\mathbb{R}^{2a}$$
 $\mathbb{R}^{2b}$ 
 $\mathbb{R}^{2a}$ 
 $\mathbb{R}^{2b}$ 
 $\mathbb{R}^{2a}$ 
 $\mathbb{R}^{2a}$ 

# Claim 4 (original)

The compound as defined in Claim 1 having structure

$$(CH_2)_{R} = \begin{pmatrix} CH_2 \end{pmatrix}_{R} + \begin{pmatrix} CH_2$$

# Claim 5 (original)

The compound as defined in Claim 1 wherein  $(CH_2)x$  is alkylene, alkenylene, allenyl, or alkynylene.

Claim 6 (cancelled)

Claim 7 (cancelled)

Claim 8 (cancelled)

# Claim 9 (original)

9. The compound as defined in Claim 1 having the structure

$$(CH_2)_m (CH_2)_m (CH_2)_n - CO_2H$$

#### Claim 10 (currently amended)

-10. (Amended) The compound as defined in Claim 1 wherein

(CH<sub>2</sub>)<sub>x</sub> is CH<sub>2</sub>, (CH<sub>2</sub>)<sub>2</sub>, (CH<sub>2</sub>)<sub>3</sub>, or —CH<sub>2</sub>, (CH<sub>2</sub>)<sub>m</sub> is CH<sub>2</sub>, or —CH— where R<sub>4</sub> is alkyl or alkenyl, (CH<sub>2</sub>)<sub>n</sub> is CH<sub>2</sub>, R<sup>1</sup> is lower alkyl, R<sup>2</sup> is H, R<sup>2</sup> is H, R<sup>4</sup> is H, X is CH<sub>3</sub> and R<sup>3</sup> is arylalkyloxycarbonyl, arylheteroarylalkyl, aryloxyarylalkyl, arylalkyl, aryloxycarbonyl, haloaryloxycarbonyl, alkylaryloxycarbonyl, aryloxyaryloxycarbonyl, heteroaryloxycarbonyl, arylalkonyloxycarbonyl, eyeloalkylaryloxycarbonyl, arylalkylaryloxycarbonyl, heteroaryl heteroarylalkyl, eyeloalkyloxycarbonyl, heteroaryl heteroarylalkyl, alkyloxyaryloxycarbonyl, arylalkonylsulfonyl, alkoxyarylalkyl, arylthiocarbonyl, eyeloheteroalkylakylaulfonyl, arylalkonylsulfonyl, alkoxyarylalkyl, arylthiocarbonyl, eyeloheteroalkylakyloxycarbonyl, oyeloheteroalkyloxycarbonyl, or polyhaloalkylaryloxycarbonyl, which may be optionally substituted: —

#### Claim 11 (cancelled)

#### Claim 12 (cancelled)

### Claim 13 (original)

13. The compound as defined in Claim I wherein x is 2, m is 1, and n is 1.

# Claim 14 (previously amended)

--14. The compound as defined in Claim 1 having the structure

# Claim 15 (previously amended)

--15. The compound as defined in Claim 1 having the structure

where  $(CH_2)_n$  is  $CH_2$  or  $CH_2$ .

# Claim 16 (cancelled)

# Claim 17 (previously amended)

-17. (Twice Amended) The compound as defined in Claim 1 having the structure

# Claims 18 to 32 (cancelled)

### Claims 33 (original)

33. A pharmaceutical composition comprising a compound as defined in Claim 1 and a pharmaceutically acceptable carrier therefor.

# Claim 34 (previously amended)

--34. A method for lowering blood glucose levels or for treating diabetes or for treating an early malignant disease, a malignant disease, or a dysplastic disease, which comprises administering to a patient in need of treatment a therapeutically effective amount of a compound as defined in Claim 1.--

### Claim 35 (original)

• 35. A method for treating diabetes which comprises administering to a patient in need of treatment a therapeutically effective amount of a compound as defined in Claim 1.

Claim 36 (cancelled)

Claim 37 (cancelled)

Claim 38 (cancelled)

Claim 39 (cancelled)

Claim 40 (cancelled)

Claims 41 - 49 (cancelled)

Claim 50 (cancelled)

Claim 51 to 54 (cancelled)